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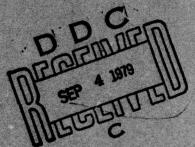


METEOROLOGICAL DATA REPORT

148228 LANCE Missile No. 4390 Round No. 334-AST 28 June 1979

by

White Sands Meteorological Team



BE FILE COPY,

ATMOSPHERIC SCIENCES LABORATORY
WHITE SANDS MISSILE RANGE, NEW MEXICO

ECOM

UNITED STATES ARMY ELECTRONICS COMMAND

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INTRODUCTION

14822B LANCE Missile Number 4390 , Round Number 334AST , was launched from LC-39 , White Sands Missile Range (WSMR), New Mexico, at 1203 MDT, 28 June 1979 . The scheduled launch time was 1200 MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m^3) , wind direction and speed, and cloud cover were made at the LC-39 Met Site at T-0 minutes.
- (2) Monitor of wind speed and direction from one anemometer was provided in the launch control room.

b. Upper Air

(1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

SITE AND ALTITUDE

LC-39	2160 Meters	1148 MDT
LC-39	3660 Meters	1203 MDT

(2) Air structure data (rawinsonde) were collected at the following Met Sites. Data were collected from surface to as high as possible feet in 500-feet increments.

SITE AND TIME

WSD 1050 MST SMR 0930 MST

TABLE 1. Surface Observation Taken At LC-39
28 June 1979 at 1203 MDT, 14822B LANCE
Missile No. 4390, Round No. 334 AST.

ELEVATION	4063.75	FT/MSL
PRESSURE	881.7	MBS
TEMPERATURE	34.0	°C
RELATIVE HUMIDITY	23	*
DEW POINT	10.0	°c
DENSITY	991	GM/M ³
WIND SPEED	<u> </u>	MPH
WIND DIRECTION	Calm	DEGREES
CLOUD COVER	1	AC

TABLE 2. PILOT-BALLOON-MEASURED WIND DATA (30-METER INCREMENTS)

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
SFC	CALM	atau
30	017	1.0
60	033	1.5
90	049	2.0
120	065	2.5
150	093	2.5
180	120	2.5
210	147	2.5
240	174	2.0
270	179	3.5
300	183	4.5
330	188	5.5
360	192	6.5

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
390	193	6.5
420	193	6.0
450	194	6.0
480	194	√5.5
510	199	6.0
540	203	6.5
570	208	7.0
600	212	7.5
630	210	7.0
660	208	6.5
690	206	6.0
720	204	5.0
750	208	5.5

Release Point Coordinates (WSTM): X486,037.24 Y486,037.24 H3977.30

Released from <u>LC-39</u> on <u>28 June 1979</u> at 1148 MDT.

Type 14822B Lance , Missile No.4390 , Round No. 334 AST launched from <u>LC-39</u> on <u>28 June 1979</u> at 1203 MDT.

NOTE: Wind directions are referenced to the firing azimuth or true north true north.

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
780	212	6.0
810	216	6.5
840	219	7.0
870	231	7.5
900	242	8.0
930	254	8.5
960	265	8.5
990	271	9.0
1020	276	9.0
1050	281	9.5
1080	286	9.5
1110	297	9.5
1140	308	9.0
1170	319	9.0
1200	329	8.5
1230	331	9.0
1260	333	9.5
1290	335	10.0
1320	336	10.0
1350	341	10.0
1380	345	9.5
1410	350	9.0

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
1440	354	8.5
1470	359	9.0
1500	003	9.0
1530	007	9.0
1560	011	9.0
1590	014	9.5
1620	017	10.0
1650	020	10.5
1680	022	11.0
1710	024	12.0
1740	026	12.5
1770	028	13.5
1800	030	14.0
1830	033	14.0
1860	036	14.0
1890	039	14.0
1920	042	14.0
1950	042	14.5
1980	042	14.5
2010	042	14.5
2040	042	14.5
2070	041	15.0

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED
2100	040	15.5
2130	039	16.0
2160	038	16.0
2190		
2220		
2250	/	
2280	15	
2310		
2340		
2370		
2400	aar .	
2430		
2460	5.40	
2490		
2520		
2550		
2580		
2610	148.192	7084
2640	(A) (B) (B)	no cell
2670		
2700		1
2730		

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
2760	100700000	88787.38
2790		
2820		
2850		
2880		
2910		
2940		
2970		
3000		
3030		
3060		
3090		
3120		
3150		
3180		
3210		
3240		
3270		
3300	33.85	LEVIL STR
3330		
3360		
3390		

TABLE 3. PILOT-BALLOON-MEASURED WIND DATA (30-METER INCREMENTS)

	·	-
HEIGHT METERS AGL	DIRECTION	SPEED MPH
SFC	CALM	
30	CALM	
60	CALM	
90	CALM	
120	CALM	
150	122	1.0
180	153	1.5
210	184	2.5
240	215	3.0
270	226	4.0
300	236	4.5
330	246	5.0
360	256	5.5

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
390	254	5.5
420	251	5.5
450	249	5.5
480	246	5.5
510	252	5.0
540	257	4.5
570	263	4.0
600	268	3.5
630	267	4.5
660	266	5.5
690	265	6.5
720	264	7.0
750	265	7.0

Release Point Coordinates (WSTM): X486,037.24 Y436,037.24 H3977.30 Released from LC-39 on 28 June 1979 at 1203 MDT

Type 14822B LANCE , Missile No. 4390 , Round No. 334 AST launched from LC-39 on 28 June 1979 at 1203 MDT .

NOTE: Wind directions are referenced to the firing azimuth or true north true north.

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
780	266	7.0
810	267	7.0
840	267	6.5
870	279	6.5
900	240	6.0
930	302	6.0
960	313	5.5
990	323	6.0
1020	3 33	6.0
1050	343	6.0
1080	353	6.0
1110	355	6.5
1140	356	7.0
1170	357	7.5
1200	358	7.5
1230	358	8.0
1260	357	8.0
1290	356	8.5
1320	355	8.5
1350	357	8.5
1380	359	8.0
1410	001	8.0

HEIGHT		T
METERS AGL	DIRECTION DEGREES	SPEED MPH
1440	002	7.5
1470	003	7.5
1500	003	7.5
1530	003	7.5
1560	003	7.0
1590	007	8.0
1620	011	8.5
1650	015	9.0
1680	019	9.5
1710	021	10.5
1740	023	11.5
1770	025	12.5
1800	026	13,5
1830	030	13.5
1860	033	13.5
1890	036	13.5
1920	039	13.0
1950	039	13.5
1980	038	13.5
2010	038	14.0
2040	037	14.0
2070	037	15.0

HE IGHT METERS	DIRECTION	SPEED
AGL	DEGREES	MPH
2100	036	15.5
2130	036	16.0
2160	035	16.5
2190	034	17.0
2220	033	17.5
2250	032	18.0
2280	031	18.0
2310	033	18.5
2340	035	19.0
2370	037	19.5
2400	038	20.0
2430	040	20.0
2460	042	20.0
2490	044	20.0
2520	046	19.5
2550	047	19.0
2580	048	18.5
2610	049	18.0
2640	050	17.0
2670	049	17.0
2700	048	17.0
2730	047	17.0

I HEIGHT		1
METERS AGL	DEGREES	SPLED
2760	046	16.5
2790	045	16.5
2820	043	16.0
_2850	042	16.0
2880	040	15.5
2910	041	16.0
2940	041	16.5
2970	041	17.0
3000	041	17.0
3030	042	18.0
3060	042	18.5
3090	043	19.0
3120	043	19.5
3150	044	19.0
3180	045	18.5
3210	046	18.0
3240	046	17.5
3270	048	18.0
3300	049	18.5
3330	051	19.0
3360	052	19.0
3390	052	19.5

HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
3420	052	19.5
3450	052	20.0
3480	051	20.0
3510	053	20.0
3540	055	19.5
3570	057	19.0
3600	058	18.5
3630	059	19.0
3660	059	19.0
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HEIGHT METERS AGL	DIRECTION DEGREES	SPEED MPH
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AEL HUM PERCENT	10000000000000000000000000000000000000	
RATURE DEWPOINT CENTIGRADE	00000000000000000000000000000000000000	
TEMPE AIR DEGREES	11111111111111111111111111111111111111	10000
RE GEOWETRIC ALTITUDE RS MSL FEET	\$130	6510. 6510. 6517.
PRESSURE VILLIBARS	00000000000000000000000000000000000000	332.0

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FEET MS	IRS MS1
3989.00	1050 HRS MS1
ALTITUDE	79 . NO. 298
STATION	28 JUNE 79 ASCENSION NO. 2

STATION ALTITORS AUG.	JDE 39	1050 PEE	ET MSL		UPPER AIR DAT 1790020296 WHITE SANDS	0.047A 0.00 0.00		52.4 32.4 166.3	C COORDINATES 40043 LAT DES 37033 LO: DES
GEOMETRIC ALTITUDE MSL FEET	PRESSUME MILLIBAMS	AIR DEGREES	DEMPOINT CENTIGRADE	REL . HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	DIRECTION. DEGREES(TA)	ATA SPEED KNOTS	INUEX OF REFRACTION
949	883.				00	1		,	2000
40000	88	33.5	8.8	21.9	8.866	683.9	-		1.000268
200	468.				. 16	79.	219.1	1.6	.00025
5000.0	853.			0.	30.	70.	19.	3.1	.00025
5500.0	839·			6	69.	70.	19.	4.6	.00024
0.0009	854.			:	57.	14.	-07	0.9	.00024
6500.0	810.		1.5	:	* #	73.	17	6.2	.00024
7000.0	196.	23.7		· ·	31.	74.	11.	6.7	.00023
7560.0	182.	55.6	.7	*	10.	71.	000	7.2	.00023
8000.0	760	21.5	•	:	.90		50.	7.3	.00022
0.0058	(55)	20.4			93.	.00		8.1	.00022
0.0006	747	19.3			91.	67.	. 10	B.9	0022
9500.6	129	18.2		-	.69	000	3.	4.6	.00021
10000.0	116	17.1			57.	. +0	0		00021
10500.0	103	16.0	-2.1	a)		.00	7	:	.90021
11000.0	160	14.8	-2.5	0	94	V	13.7	3	.60020
11500.6	678	13.5	6.2-	-	5%	. n.	2		.00020
1.0000.0	900	12.2	-3.4	·	11.	26.			.00000
12500.0		10.9	6.5	ė.			65.0	14.0	020
12000	240	1.6	1.1		60	50.	7.67		.00012
13500	630	3.0	-5.0	œ .	76.	0,	·	t	00014
14000	610	7.1	-5.5	0	. 89	54.	?		.00019
14200	909	5.9	2.6-	-	57.	-	,	t	.00010
2000	261	4.5	5.6	*	747.5	2	1.10	·	.00013
1550	200	3.1	-7.5		37.		1.	·	.00010
16000	5/5.	1.6	1.0	·	57.	646.5	:	· t	.00017
16200	. 496	?	-8.8	0	17.	0.449	6		.00017
17000	553.	-1.3	c.6-	m)	03.	043.0	57.5	15.2	17
17500	543.	-2.7	9.6-	ď	98.	041.4	0	9	.00017
10000		0.1-	2.5-	t	0.0	639.7	0	0	.00010
18500	526.	-5.4	10.	'n	18.	30.	74.0	0	.0001c
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500		-7.0	-14.7	5	.20.	630.0	. +0	13.6	015
0000	493.	-8.6	50		· 11	33.	000	0	.00015
200	483.	d	56.	3	36.	. 70	121.2	1.00	.00014
000	+1+	10	53.	:	28.	31.	· J	9.5	.00014
3	+6.4.	11.	c	0	17.	30.	. 77	C . t	.00014
000	455.	-11.9	31.	ŵ	07.	629.0	10001	7.3	.00013
520n	440.	12.	33.	.0	07.	20.	100.4	2.6	.00013
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STATION ALTITUDE 3989.00 FEET MSL

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GEODETIC COUNCILIATES	52.40043 LAT DEG	LON
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GEOMETHIC ALLITUDE MS. ECT.	PRESSURE	AIR AIR	DEMPTURE DEMPOINT CENTISABLE	REL.HUM. PERCENT	DENSITY GM/CUBIC NF TER	SPEEU OF SOUND	AIND DAT	SPEEU SPEEU	INDEX OF OF OF
177		1	2000			2000			
43500.0	429.2	;	9	~	77.	20	3	111-1	.00013
000	42	-14.9	-57.8	N	O		109.0	11.7	1.000128
4500.0	7	ė	0	CA	58.	7 t	V	11.3	.00012
25000.0		-17.3	O	C	50.	53	.04	11.7	00012
45500.0	395	-18.5	0	12.0	541.4	621.7	55.	11.6	.0001
200000	387	0		U.	M	V	103.5	11.9	
26500.0	379	-20.9	-42.5	W	24.	-	100.00	11.7	.00011
67000.0	371	-22.1	-43.4	S	16.	617.3	174.3	11.6	00011
27500.0		-23.3	-44.3	S	07.	15	174.0	11.4	
23000.0		-24.6	-45.2	N	.66	14	177.4	11.2	0011
28500.0		-25.8	-46.2	S	.1ć	614.8	100.0	11.0	0011
9.00062		-27.0	-	S	84.		181.0	10.6	10
29500.0		-28.5	-49.0	S	70	131	179.8	10.0	0010
36600.0		4.62-	a.	U	.69	3	170.0	7.6	0010
305000		-30.5	0	3	61.	9	100.5	9.1	00
31000.0		-31.6	. +	6	53.	3	167.6	6.8	100
		-32.7	+.09-	4.3**	9	1	203-1	9.1	1.000099
220000.0		-33.8	3	** 2.	4)	0	213.7	9.6	600
		-35.0			31.	.3	3	10.6	600000.
	4.987	-30.3			424.1	2665	245.4	11.6	.0000
		-37.5			-	0	*	12.5	60000
34000.0		-38.8			10.	60	247.4	14.1	.00000
_		-39.9			.00	35	0	15.9	60000
35050.0	204.0	6.04-			.06	93.	245.0	19.1	90000
35500.0	7.857	-41.0			300.9	.76	K+++7	22.3	900
3.000ec	252.5	-45.9			61.	0	543.9	23.0	DOUDE
0	540.0	-43.9			75.	50	242.0	23.2	00000
37000.0	241.1	-45.0			.09	30	0.545	23.0	00000
37500.0	235.6	-46.1			1	0	C.0.7	22.7	00000
3	230.3	-47.2			55.	585.6	1.107	22.6	.00007
20560.0	255.0					+ 70	53	22.5	1.000078
0.000060	519.6	5			.24	. 38	0.467	22.0	.00007
00	614.9	+.03-			30.	1)	6.562	0	1.000075
0	0	:			30.	.03	0	0	.00007
5	20502	-55.6			5.	70.	2001.0	0	20000
0000	c.007	10			.01	77.	6.702		00000
0	195.1	,			.2	1	33	7	900
5030.	191.1	9.54-			305.5	1.	545.7	18.7	
4<500.0	160.5	-50.5			5	-	5,53.5	20.1	000
00	162.0	-57.4			3	-	1	:	.0000€

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE KAS USED IN THE INTERPOLATION.

- 1	36702	
4	17900	

GEODETIC COORDINATES 32.40043 LAT GEG 106.37033 LON DEG	SPEED OF NOTS REFRACTION	99	1.00006	11.8 1.000060	1.00005	.4 1.00005		1.00005	3	1.00005	1.00005	-1	-	-	•	3.5		1	-	-	1.00003	1.00003	7.	200001	1.00003	1.00003	1.00003	3 1.00003	7 1.00003	1.00003	1.00002	1.00002	3000001 6	1.00002	1.00002	3 1.00002	3 1.00002
在 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化 化	DIRECTION DEGREES(TW)	234.1	755.5	263.1	2002	263.3	269.5	167.6	185.1	102.5	198.3	210.6	223.6	4.122	2.00.0	7.077	223.7	230.3	241.6	247.1	6.007	190.4	120.1	0.041	140.0	J	105.4	0.00	44.7	55.9	27.3	31.5	41.0	2.70	0.60		140.5
4 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	SPEED OF SOUND KNOTS	57	2000	567.	550	564.	563									5,60.7												550.4					564.0	50.3.3	64	505.1	0
UPPER AIR UN 1790020296 WHITE SANDS	DENSITY GYZCUBIC METER	288.2	276.9	271.5	266.2	261.0	255.9	245.9	240.0	234.7	226.8	223.1	217.5	2022	1.002	196.4	191.4	187.1	183.0	179.1	175.2	171.4	167.4	1.001	155.3	151.0	146.8	142.7	136.6	135.0	131.2	127.0	124.1	0	117.3	t	1111-1
•	REL.HUM. PERCENT																																				
1050 HRS MST	TEMPERATURE AIR DEMPOINT DEGREES CENTIGRADE	1-58.4		-61.2	-62.1	-63.0	0.49	-66.0	-60.8	-60.7	-66.0	-66.5	-60.4	166.3	2.00	1.00-	-65.9	+-69-4	-67.0	-67.7	-68.4	-69.1	169.4	0.00	-69-6	0.69-	-68.4	-67.7	-67.1	-66.5	-65.8	-65.2		-64.0	9	-02.7	-62.2
111JCE 3989 10	PRESSURE MILLIBARS D	1.77.1	200	155.2	3	57	153.6	46.3	47	35	35	32	53	122.8	100	V 2	3	111	00	0	0:	+ :	21.70	03.1	1.06	66.5	80.3	64.2	94.1	60.1	78.1	76.2		72.4	0	69.9	1
STATION ALTITUDE 39	GEUMETHIC ALTITUDE MSC FELT	3	::		:	-	40500.0			8500.	-0006		200000			52000.0	52500.0			0.00015		0.00050	-			1					.000	:	.000	000	-000>	62500.0	3000.

STATION ALTITUDE 3989.00 FEET MSL 28 JUNE 79 1050 HRS MST ASCENSION NO. 258

UPPER AIR DATA 1790020298 HITE SANLS

JEODETIC COUNTINATES 32-40043 LAT JEG 106-37033 LON JEG

9 4	GEUMETHIC ALIII IUE	PRESSURE	ATR	TEMPERATURE ATR DEMPOTAT	REL.HUM.	DENSITY	SPEED OF	BECTIO.		INDEX
×	FEET	MILLIBARS	UEGREES	CENTIGRADE	,	METER	KNOTS	DEGREES (TN)	KNOTS	REFRACTION
	:	ŝ				08.	560.7	19	7.9	1.0000
	0.00000	;				3	567.4	00	8.4	1.00002
	5	62.6	+-09-			102.5	568.2	173.7	6.2	1.0000
	:	:	-59.8			6	569.0	00	4.1	1.00002
	65500.0	59.6	-59.5			7.	569.4	143.2	3.1	1.00002
	00		-58.7			0.46	570.5	17	3.4	1.00002
	00		-58.1			3	571.3	71.9	4.4	1.00002
	00	55.5	-57.5			89.6	572.1	7.	7.9	1.0000
	00	2.45	-56.9			7.	574.9	3	8.7	1.00001
	00	55.9	0			. 1	573.0	60.1	11.2	1.00001
	ė	:	S			i	574.4	Q.	14.0	1.00001
	00	0	-55.2			0	575.4	74.1	17.0	1.00001
	00	5	-55.0			78.6	575.4	71.0	19.3	1.00001
	00		-55.0			.0	575.4	6.69	20.2	1.0000
	00	•	-55.0			74.9	575.3	6.00	21.1	1.00001
	00	45.8	-55.1			3	575.3	70.0	50.9	1.00001
	00	;	-55.1			:	575.3	77.1	10.4	1.00001
	00	3.	-55.1			9.69	570.5	1	18.2	1.000015
	00	45.1	6.45-			68.1	575.5	2	17.6	.0000.
	00	41.7	+++5-			4.99	570.4	91.5	17.3	1.000015
	.00	0	-53.8			64.7	577.0	0	17.1	
	00	0	-53.3			63.0	577.7		17.2	0000
	0		-52.7			61.4	578.4	·V	17.6	100000-
	00		-52.5			59.6	579.1	90.06	16.0	.0000.
	00	37.1	-51.6			56.3	579.0	1.05	18.8	000
	00	•	-51.1			50.6	560.6	90.06	19.9	10000.
	.00	3	-50.5			55.4	581.3	5.06	50.6	10000.
	3	;	-50.5			94.0	501.7	25.7	22.6	1000
	00	;	-20.0			52.7	591.9	1.06	54.5	.0000
	0	;	O			51.5	584.2	-	56.6	.00001
	5	32.3	9.64-			50.3	562.5	6.06	56.4	0000
		:	O			1.64	586.0	v	25.1	000
	50	0	9			47.9	583.1	0.69	53.9	1000
	50	0	6.81-			46.8	563.4	0	21.9	1000
		59.4	0			1.5.7	500.4	3	19.6	.00000
	00	:	0.61-			44.7	565.3	3	17.5	.0000
	00	0	0.65-			43.7	565.0	0	16.2	.00001
	5	-	0.61-			42.7	563.6	0	20.7	20000.
	0.00520	20.8	0			41.7	565.4	5.06	23.8	00
	0	ò	-49.1			9.07	*			000000

The second second

5EODETIC COOKDINATES 32-40043 LAT DEG 106-37033 LON DEG	INDEX OF REFRACTION	1.000009
6E0DET1 32. 106.	SPEED KNOTS	
	SEOMETRIC PRESSURE TEMPERATURE REL.HUM. DENSITY SPEED OF MIND DATA ALIITUDE AIR DEWPOINT PERCENT GM/CUBIC SOUND DIRECTION. SPEED WSL FELT MILLIGAMS DEGREES CENTIGRADE METER KNOTS DEGREES(TN) KNOTS	
05 05 05	SPEED OF SOUND ANOTS	39.8 583.1 36.9 583.1 36.1 583.0
UPPER AIR DATA 1790020296 WHITE SANDS	DENSITY GM/CUBIC METER	39.8 36.9
5	REL.HUM. PERCENT	
T NSL MST	ERATURE DEWPOINT CENTIGRADE	
9.00 FEE	TEMP AIR Legrees	-49.1
STATION ALTITUDE 3989.00 FEET MSL 28 JULE 79 1050 HRS MST ASCENSION NO. 298	PRESSURE HILLIBARS	25.6 25.0 24.5
STATION AL 28 JUNE 79 ASCENSION	GEOMETRIC PRESSURE ALITUDE MSL FELT HILLIBANS	63500.0 64000.0 84500.0

STATION ALTITU 28 JUNE 79 ASCENSION NO.	STATION ALTITUDE 3989.00 FEET MSL 28 JUNE 79 1050 HRS MST ASCENSION NO. 298	T NSL NST	MRN SIGNIFI 179 MHIT	MRN SIGNIFICANT LEVEL DATA 1790020294 WHITE SANDS	47 <i>A</i>	32.4(106.3	GEODETIC COOKDINATES 32.40043 LAT DEG 106.37033 LON DEG
GEOPOTENTIAL ALTITUDE DECAMETEHS	UIRECTION DEG (TN)	SPEED NATA	DATA N-S MPS	M⊼ 17 3-3	DEW PT DEP	TEMPERATURE AIR DEG C	PHESSURE MILLIBARS
.1765	****6666	****6666	***6666-	***6666-	66	-49.2	2-400+1
2430.	45.	11.	-1-	-11.	66	-48.9	3.000+1
2325.	91.	11.	•	-11.	66	-50.4	3.520*1
2196.	.68	.6	-0-	-6-	66	-55.1	4.300+1
2100.	73.	.6	-3.	-6-	66	-55.0	5.000+1
1687.	105.	.,	:	-3:	66	-63.1	7.000.7
1725.	146.	.,	3.	-2.	66	6.69-	9.180+1
1674.	178.	1:	:	-0-	66	-69.5	1.000+2

.. WIND DATA NOT COMPUTED DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.

PRESSURE (PRESSURE GEOPOTENTIAL	TEMP	TEMPERATURE	REL . HUM.	WIN	U DATA
MILLIBARS	FEET	DEGREES (CENTIGRADE	PERCENT	DIRECTION SPI	TN) KNOTS
850.0	5127.	58.9	3.0	19.	219.1	3.5
0.008	6877.	23.9	1.2	22.	265.2	6.9
750.0	6713.	20.0	3	26.	245.7	4.9
700.0	10647.	15.7	-2.3	29.	15.8	12.0
650.0	12691.	10.5	-4.1	36.	27.0	14.7
0.009	14857.	4.8	-6.7	43.	34.3	14.1
550.0	17159.	-1.8	-9.7	55.	60.2	15.4
500.0	19618.	-7.9	-15.1	56.	68.0	12.9
459.0	22232.	-12.4	-32.4	17.	100.3	7.0
400.0	25206.	-17.9	-40.3	12.	146.3	11.6
350.0	20432.	-25.7	-46.1	13.	179.9	11.0
300.0	32034.	-34.0			222.8	9.7
250.0	36138.	-43.3			243.5	23.1
200.0	+0954.	-53.8			203.1	17.9
175.0	43736.	-59.0			239.5	19.1
150.0	46865.	6.49-			197.7	7.2
125.0	50488.	-66.3			220.4	5.6
100.0	54911.	-69.5			181.0	1.4
80.0	59295.	1.99-			30.0	14.2
70.07	61969.	-63.1			102.1	8.0
0.09	o5108.	-59.4			138.3	3.2
20.0	.26890	-55.0			73.0	17.7
40.0	73574.	-53.4			4.46	17.1
30.0	79726.	6.94-			85.1	21.8
25.0	63652.	-49.1				

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

The second secon

1TUDE 3985	179002029	GEODETIC COCHDINATES
28 JUNE 79 1050 HRS MST	WHITE SANUS	32.40043 LAT DEG
SCENSTON 140. 298		106.37033 LON DEG

9999.** -119912999999999139999999999	UIRECTION SPEED CEG (TH) MPS	SPEED	IND DA	A N N N N N N N N N N N N N N N N N N N	7 P S S S S S S S S S S S S S S S S S S	UEW PT DEP DEG C		PRESSUKE MILLIBAKS
11. 14. 15. 16. 17. 18. 18. 19. 19. 19. 19. 19. 19. 19. 19	- ****666	•	6666-	**	***6666-	66	-49.1	2.500+1
20	11.		7		-11:	66	6.81-	3.000+1
25.0 27.0	.6			•	.6-	66	-53.4	4.000.4
25.4 25.4 26.5 27.4	.6		•	3.	.6-	55	-55.0	2.000+1
200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2.			1.	7:	7.5	-59.4	1.000.9
200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				1.	•••	66	-63.1	7.000+1
2. 69. 8 1. 69. 8 1. 66. 3 6 1. 66. 3 6	7.		ī	.9	- 7-	66	1.99-	8.000+1
2. 99 64.99 11. 99 99 99 15. 10.99 15. 17. 99 164.99 17. 17. 99 17. 90 17. 90	Solling Lender			•	٠.	65	-69.5	1.000+2
1. 99 64.9 11. 99 99 12.0 12.0 12.0 12.0 13.0 13.0 14.0 15.0 16.0	3.		~	•	2.	66	-66.3	1.250+2
8. 99 11. 99 3. 99 -6. 3. 89 -77. 80 -77. 00 -7. 0	. ,		3		;	66	6.49-	1.500+2
11. 3. 3. 3. 3. 3. 4. 5. 7. 7. 7. 7. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8	10.		u)		. 3	66	0.63-	1.750+2
11. 3. 3. 40000000000	•6		-		.6	66	-53.8	2.000+2
3. 20 20 20 20 20 20 20 20 20 20 20 20 20	12.		ď	•	11.	65	-43.3	2.500+2
20. 22 22 22 22 22 22 22 22 22 22 22 22 22	5.		7		3.	66	-34.0	3.000+2
22 20 -17.9	• • •		•		-0-	0.2	-25.7	3.500+2
-12.4 -7. 07 -12.4 -4. 12 4.8 -3. 15 10.5 -2. 18 15.7 -2. 20 20.0	• •		.,	•	-3.	22	-17.9	4.000+2
7. 07 -7.9 04 -1.8 15 10.5 10.5 10.5 10.5 10.5 10.5 10.5 1	5.		1		-5-	07	-12.4	4.500+2
15. 11.8 15. 10.5 16. 20 16. 2	7.		0		-7.	07	-7.9	5.000+2
15 10.5 -2. 15 10.5 1. 20 20.0 3. 20 20.0	8.		1		-7-	60	-1.8	5.500+2
15 10.5 1. 20 20.0 3. 20 23.9	7.		9-		-4-	77	6.4	2+000.9
1. 20 20.0 3. 23 23.9	.0		-		-3.	15	10.5	6.500+2
3. 23 23.9	• • •		•		-5-	18	15.7	7.000+2
2. 23.9	4.		1,		•	92	20.0	7.500+2
4. 20 26.9	3.				.5.	62	23.9	8.000+2
	2.							8.500+2

** MINU DATA NOT COMPUTED DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.

STATION ALIITUDE 3997.30 FEET MSL 28 JUNE 79 0930 HRS MSI ASCENSION NO. 214

SIGNIFICANT LEVEL DATA 1790060214 S M R

GEODETIC COORDINATES 32.48034 LAT DEG 106.42307 LON DEG

TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE

PRESSURE GEOMETRIC ALTITUDE MILLIBARS MSL FEET

REL.HUM. PERCENT

29.00 27.00 34.00 534.00 75.00

11111 100111191 10011191 10011191 1001 1001191 1001191 100119 100119 100119 100119 100119 100119 10011

112211 122711 122712 12371 12371 133

14024.5 17100.2 18824.2 19605.4 20664.6

551.0 5515.5 500.0 479.6

3997.3 5111.3 6323.4 9556.6

883.1 850.0 815.0 727.4

-36.6

-16.3

413.6

0.004

428.0

9.494

-18.8

-41.4 -35.0

-21.1 -25.4 -30.8 -34.7 -44.2

-54.7 21467.8 23518.9 24356.2 25190.0 25557.9 27826.5

300.0

32017.0

36127.0

46843.8 200.0 150.0

-66.8

-67.2

48019.4 5:077.3 58568.6 61996.6 141.4

70.0 50.4

66415.5

-62.9 -60.5 -51.8 -54.3

68909.9 74239.8 77201.9 30.0

79797.4 83409.5 68655.3 93394.7

-48.4 -43.5

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19

378.2 358.8 327.2

1790060214	SER
FEET MSL	HRS NST
TUDE 3997.30	0830
ALT1	13
	ALTITUDE 3997-30 FEET MSL 1790060214

ALTITUDE 3997.30 FI 79 0930 HR	UPP S NST S	790060 790060	214 214 14		32.4 32.4 106.4	TIC COORDINATES 12-46034 LAT DEG 16-42307 LON DEG
PRESSURE TEMPERATURE AIR DEWPOINT MILLIBAKS DEGREES CENTIGRADE	E REL.HUM. DEN INT PERCENT GW. RADE ME	SITY	SPEED OF SOUND KINOTS	DIRECTION DEGREES(IN)	SPEED KNOTS	INDEX OF REFRACTION
1.5	29.	;	81.	•	•	.00027
29.8	, 0	****	. 10	3		.00027
26.1 6.	. 6	0.000	675.4	223.5		.0000
25.3 6.	6	:	74.	23.		.00025
25.1 5.	(1	0	*	43.	•	.000025
24.6	6 0	'n.	573.6	50	•	.00024
22.2		· a	ic	0 0		12000.
21.1 3.		0	5	80		.00023
19.9 2.	i	+	669.1	.16	•	.00023
18.7 2.	3	·	9	.00	•	.00022
715.0 16.7	910	870.4	0 =		6	NO
15.8	, ,		+ 4	0	5 -	22000
14.7	9	10	\mathbf{n}	0	'n	.00021
13.4 -1.	9		0		'n	.00020
12.1	in a	:	D		m	.000020
00	0 3	00	- 11	17.5	n' r	.00020
8.5	t		t. C	0.07	, m	91000
7.0	+		1	29.1	m	.00018
5.5			-	57.3	'n	.00018
4.0	-	:	O.	40.0	5	.00018
574.3	00	726.2	647.5	000 1.000	12.6	1.000161
5 8	10	m	10	61.4	÷	.00017
-5.0 -6		å	S	3	5	1
-3.5	:	0	0	65.8	9	~
-5.0 -10	è.	0	D	4.89	-	.00016
-6.5	i.	0	. 2	71.0	7	016
-7.1		.0	O.	t	5	00016
-8.3 -14	in	6	+	79.5	5	00015
-9.5 -13		6	3		ë	00015
-10.2 -24	oi.	0	N	85.9	2	.00014
-10.8 -28	i		-	6	-	000014
11.4	8	1		93	0	0014
12.0 -51	ò		659.0	00	0	.00013
00			1	0		1.000135
0.0	170		•	1.901	111.7	

STATION ALTITUDE 3997.30 FEET MSL 28 JUNE 79 0930 HRS MST ASCENSION NO. 214

UPPER AIR DATA 1790050214 S M R

GEODETIC COORDINATES 32.48034 LAT DEG 106.42307 LON DEG

INDEX	OF REFRACTION	.00013	.00012	.00012	.00012	.00012	.00012	.00011	.00011	.00011	.00011	.0001	00010	.00010	0	.00010	000010	600000	600000	600000	00000	00000	•	600000	.00008	.0000	00000	00000	1.000082	•0000e	0	2000	.00007	.00007	.00007	.00007	.00007	.0000	9000	90000	00000
TA	KNOTS		13.3	5	3		i	12.9		N	'n	10.7	9.5				9.5			0.6		5		7	18.7	8	7.	6	21.0	'n	24.7	'n	3	0	8	8	8			18.5	8
WING DAT	DEGREES (TN)	.60	12.	6	58.	141.8	51.	0	8	.0	03.	63	65	173.9	184.2	190.1	207.6	221.9	254.3	241.0	240.6	247.0	240.1	250.B		554.4			259.0											247.0	40.
PEED OF	SOUND	24.	24.	0	22.	.07						611.2																	587.0		584.2										
TY	METE	80	69	58	50	42	1)	23	16	50	01	93	85	73	20	62	24	95	436.5	31	23	16	60	05	95	88	82.	75.	368.4	61.	55.	46.	45.	36.	30.	54.	18.	12.	.90	.00	0 45
REL.HUM.	L	S	3	÷	+	14.0	:+	t	+		t.	14.3	+	÷	2.0	1.3	•9•	*0	*1**																						
ERATURE	CENTIGRADE	9	36.	7.	38.	0.01-		-		+	-45.3	-46.1		6.14-	ė	3	-56.1																								
TEMP	DEGREES CE	•	9	-10.7	m	3	-	-	3	+	2	-27.1	8	5	30.	:	-32.7	33.	-34.7	35.	-37.0	-38.1	-39.3	4.04-	-41.6	-42.9	6.54-	-45.0	-46.1	2./4-	-48.3	1.64-	-50.5	-51.6	-52.6	-53.7	u	5	0	S	8
 PRESSURE	MILLIBARS	428.3	19	-	403.1	.56	380.9	379.1	371.3	363.7	256.2	348.7	341.4	334.5	527.3	320.5	513.5	306.8	30005	563.6	287.2	580.9	274.7	268.7	462.0	257.1	251.4	245.7	240.1	234.0	259.5	224.0	•	0	÷	+	199.5	t	0	165.4	0
GEOMETRIC	ALITIUSE MSL FEET	23500.0	-	÷	-	:	-	:	:	-	-	28500.0	-	:	:	-	31000.0	•	32000.	:	:	:	:	•	•			35500.0	37000.0	•		•	•	:	:	•	000	-	000		000

AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION. **

STATION ALTITUDE 3997.30 FEET MSL 29 JUNE 79 0930 HRS MST ASCENSION NO. 214

NOI	900	900	900	900	30	50	050	050	9500	05	05	05	050	0	50	10	10	04	10	50	04	04	03	0	03	03	03	03	03	03	3	03	03	N	20	N	0.5	30		020
INDEX OF REFRACTION	00.	.00	00.	000	00.	0.		0.	1.000	000.	.00	0.				0.	0.						0.	0.	.0	0.	0.	0.	0.	.00	.00	000.	.00	00.	000.	.00	0	.00	1.000	.00
SPEED	6	6		9	-				8.7	:		:				•				•									3.6	6	in	·	-	.9	3	5		3	12.0	0
DIRECTION DEGREES(TW)	250.	.00	259.6	. 3.	*5	. / 0	0	. +0	184.8	.06	07.	13.	-17	50.	01	10.	. 15	.99	77.	72.	77.	63.	73.	00	020	. 40	.19	05.	200			·	ċ	3	6	0	05.	10.	118.3	10.
SOUND KNOTS	69	67.	VO	. 40	63	. 70	.09	69	254.5	.69	58.	58.	50.	50.	58.	57.	57.	57.	57.	57.	50.	50.	50.	50.	50.	57.	57.	57.	59.	58.	.69	.63	.09	.19	62.	.09	. 49	+9	.50	65.
DENSITY GMZCUBIC NETER	33.	32.	77.	72.	50.	. 70	55.	51.	245.3	39.	33.	53	22.	17.	::	.90	01.	.00	. 20	87	35	78	14.	.09	.69	.19	56.	52.	43.	* # #	40	37.	33.	29.	26.	22.	0	16.	13.	10.
REL . HUM. PERCENT																																								
ERATURE DEWPOINT CENTIGRADE																																								
AIR DEGREES			-62.0				-66.1		0.79-		-67.3					-68.1	-	-		-65.7	-	0.69-		-69.5		-	-												-62.6	
PRESSURE MILLIBARS	176.6	72	68.	164.1	0		152.5		145.1	-	÷	;	:	:	+	:	÷		·	109.0	:	•	:	on .	0	•	31		:	0	85.3	:	5	1.	5	3	-	0	65.3	0
GEOMETRIC ALTITUDE MSL FEET	•	00	4500.	;	0	.00ng	6500.		75	9000	00	-	:	•	-	-	-	-	-		•	-	•	-	-	-	:	•	•	:	•		-	-	0	0	0	0	2	Ö
																				2	2																			

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FEET MSL	HRS MST	
3997.30	U930 HRS MST	14
9	28 JUNE 79	

UPPER AIR DATA 1790060214 S M R

TES	DEG	DEG
RDINI	LAT	LON
GEODETIC COOF	32.48034 LAT DEG	106.42307

INDEX OF	NET WALL TON	.00002	.0000	.0000	.00002	-00002	.00002	.00002	.00002	.00001	.0000	01	.00001	.00001	.00001	.00001	.0000	-	.00001	.0000	.00001	.00001	100	.00001	.0000	.00001	.00000	001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.0000	.00000	.00000	00000
SPEED	CIONIA				0		0	6				6.9		:	t	9	8	0	.0	-	1.		-	-	21.5	-	5.	3	5	9	9	7	7.	7	1.	7.	5	t.	3	3.	i
MIND DAT	200	+	:	126.0	6	:	*)	-		3		102.1			6	i	.9	19.4	0	N	1.)	V	-	-	81.7	S	V	N	V	3	+	4	1	-	S	O	69.5	:	6	2	·
SPEED OF	CIONA	9	9	0	7	7	1-	8	3	6	0	1.	-	·	2	3.	5	574.0	+	+	575.5	9	.0		576.2	6	.0	·	0	0	3.	3.		+	3.	3	.0		582.8	·	·
DENSITY GWZCUBIC METER	1		. 70	02.	6	·	:>	3	0	7.	t	is	:	8	.0	÷	ci	0	6	1.	0	·	i		59.5	1.	.0	÷	3	:	·	0		1.	46.1	'C	:1	0	45.5	-	0
REL.HUM. PERCENT																																									
EMPERATURE DEWPOINT FS CENTIGRADE	TOWNS TOWNS																																								
TEMP AIR DEGREES	רמערר	-62.1	-61.8	-61.5	-61.3	-61.0	80-	-	-	59	-58.8	-58.2	27	-57.4	-57.1	-56.3	-56.4	-56.1	-55.8	55.	-55.1	24.	54.	53.	-52.8	-51.9	20.	20.	40	-43.6	-48.5	-48.5	-48.5		-48.5		B	6	6	9.64-	8.64-
PRESSURE		0.59	63.5	61.9	t.09	29.0	57.6	56.2	54.8	53.5	52.2	51.0	8.64	48.6	47.5			44.2							37.5			5.40	34.1	33.3	32.6	31.8	31.1	30.4	29.7	29.0	28.4	27.1	27.1	20.5	12
GEOMETRIC ALTITUDE MSL FEET		•	÷	-	÷	-		•	•	•	÷	:	•	:	:	-	-	-	:	:	-	:	:	-	75000.0	:	:	:	:	:	-	-	-	-	-	:	10001	1500.	000	2500.	3000

STATION ALTITUDE 3997.30 FEET MSL 28 JUNE 79 0930 HRS MST ASCENSION NO. 214

TES	DEG	CEG
MICS	LAT	LON
GEODETIC COOF	32.48034 LAT DEG	106.42307

INUEX OF REFRACTION	00000		00000				1.000005	1.000005 1.000005 1.000005 1.000005
SPEED KNOTS	22.5	t t t t	24.9	27.4	331.00	9400	4000 t	
WIND DATA DIRECTION SPEED DEGREES(IN) KNOTS	4.06 9.69	0000	91.0	90.2	83.2 81.2 77.7	7777	9 8 8 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
SPEED OF SOUND KNOTS	582.1				592.6			596.1 596.1 590.1
DENSITY GW/CUBIC METER	38.5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	333 333 333 333 333 333 333 333 333 33	31.4	2222	00000 40000 40000	00000 0000 0000	22.0
REL . HUM. PERCENT								
EMPERATURE DEWPOINT ES CENTIGRADE								
TEME AIR DEGREES	149.9	1 + + +	146.2	144.3	142.7	1400.0000000000000000000000000000000000	0.0000	139.0
PRESSURE MILLIBARS	25.3	223.0	22.1 21.6 21.1	20.6 20.1	19.01	17.5 17.2 16.9	15.8 15.8 15.4	14.4
GEOMETRIC ALTITUDE MSL FEET	83500.0 84000.0 84500.0	85500.0 85500.0	80500.0 87000.0 87500.0	68500.0 68500.0	0.00006	91500.0 92000.0 92500.0	93500.0 94000.0 94500.0	95500.0 96000.0 90500.0 97000.0

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MRN SIGNIFICANT LEVEL DATA 1790060214 S M R

											*		
PRESSURE MILLIBARS	1.360+1	1.620+1	2.000+1	2.540+1	3.000+1	3.380+1	3.380+1	2.000+1	5.640+1	7.000+1	8.300+1	1.000+2	
TEMPERATURE AIR DEG C	-39.0	-39.0	-43.5	-50.0	748.4	-48.6	-54.3	-57.8	-60.5	-65.9	-67.2	-69.3	
CEW PT DEP DEG C	36	66	66	66	66	6.6	66	66	66	66	66	66	
R PP S S ≅	***6566-	-50.	-15.	-12.	-14.	.::	-11.	-4-	;	٠٠٠	-1-	٠,-	
a	***6666-	-3.	7	• 0	- 1	.2.	-2.	-0-	'n	3.	-6-	1.00.10	
WIND SPEED MPS	***6666	20.	15.	12.	14.	:::	11.	;	ຜ	7.	.6		
	***6666	80.	87.	51.	. 46	(a)	81.	.06	132.	117.	ۍ.	169.	
GEOPOTENTIAL ALTITUDE DECAMETERS	2953•	2833.	2689.	2531.	2422.	2343:	2254.	2092.	2017.	1883.	1779.	1067.	
	WIND DATA UIRECTION SPEED N=S N=S NPS NPS DEG C DEG C NPS NPS NPS DEG C DEG C	WIND DATA TEMPERATURE DIRECTION SPEED N-S E-W DEW PT DEP AIR DEG (TN) MPS NPS DEG C DEG C NPG C MPG C 9999.** 9999.** -9999.** -39.0 -39.0	#IND DATA UIRECTION SPEED N-S E-W DEW PT DEP AIR UEG (TN) MPS MPS DEG C DEG C MPS 9999.** 9999.** -9999.** -39.0 80. 20320. 99 -39.0	DIRECTION SPEED N-S E-W DEW PT DEP AIR DEG (IN) MPS DEG C DEG C DEG C DEG C DEG C MPS DEG C DEG C DEG C MPS DEG C DEG C DEG C DEG C DEG C MPS DEG C MPS DEG C DEG C DEG C MPS DEG C DEG C DEG C MPS DEG C DEG C DEG C DEG C DEG C MPS DEG C DEG C MPS -39.0 -39.0 -39.0 -39.0 -43.5	UIRECTION SPEED N=S E=# GEW PT DEP AIR UEG (TN) MPS NPS DEG C DEG C M 9999.** 9999.** -9999.** 99 -39.0 80. 20320. 99 -43.5 87. 1515. 99 -43.5	UIRECTION SPEED N=S E=# DEW PT DEP AIR UEG (TN) MPS NPS DEG C DEG C MPS 9999.** 9999.** -9999.** 99 -39.0 80320. 99 -43.5 87. 12. 012. 99 -43.5 51. 12. 014. 99 -48.4	UIRECTION SPEED N=S E=# DEW PT DEP AIR UEG (TN) MPS MPS DEG C DEG C MPS DEG	UIRECTION SPEED N=S E=# DEW PT DEP AIR UEG (TN) MPS MPS DEG C DEG C MPS 9999.** 9999.** -9999.** 99 -39.0 80.	UIRECTION SPEED N=S E=W DEW PT DEP AIR UEG (TN) MPS MPS DEG C DEG C MPS 9999.** 9999.** -9999.** 99 -39.0 80. 20320. 99 -43.5 87. 15115. 99 -43.5 94. 14. 1 -14. 99 -48.4 83. 12211. 99 -54.3 81. 11211. 99 -54.3	UIRECTION SPEED N=S E=W DEW PT DEP AIR DEG C NPS NPS DEG C NPS NPS DEG C NPS	DIRECTION SPEED N=S E-W DEW PT DEP AIR DEG (TN) MPS NPS DEG C AIR DEG (TN) MPS NPS DEG C DEG C NR 9999.** -9999.** -9999.** 99 -39.0 80 20 -3 -20 99 -43.5 81 15 -1 -15 99 -448.4 94 14 1 -14 99 -448.4 94 15 -2 -14 99 -448.4 94 12 2 -14 99 -448.4 95 12 2 -14 99 -54.3 90 4 -2 -11 99 -54.3 132 2 -2 -11 99 -54.3 100 4 -0 -4 99 -56.9 117 5 3 -4 99 -62.9 117 6 99 -62.9 -62.9 117 -2 -1 <td< td=""><td>DIRECTION SPEED N=S E-W DEW PT DEP AIR DEG (TN) MPS NPS DEG C DEG C AIR DEG (TN) MPS NPS DEG C DEG C DEG C NR 9999*** 9999*** 99999*** 99999** 9000** 9000** 99999** 9000** 90</td><td>DIRECTION SPEED N=S E-W DEW PT DEP AIR DEG (TN) MPS NPS DEG C DEG C AIR DEG (TN) MPS NPS DEG C DEG C DEG C NRS 9999*** -9999*** -9999*** 99 -39*0 -39*0 -39*0 -48*6 -48*6 -48*6 -48*6 -48*6 -48*6 -48*6 -59*3 -48*6 -59*3 -48*6 -59*3 -59*3 -59*3 -59*3 -50</td></td<>	DIRECTION SPEED N=S E-W DEW PT DEP AIR DEG (TN) MPS NPS DEG C DEG C AIR DEG (TN) MPS NPS DEG C DEG C DEG C NR 9999*** 9999*** 99999*** 99999** 9000** 9000** 99999** 9000** 90	DIRECTION SPEED N=S E-W DEW PT DEP AIR DEG (TN) MPS NPS DEG C DEG C AIR DEG (TN) MPS NPS DEG C DEG C DEG C NRS 9999*** -9999*** -9999*** 99 -39*0 -39*0 -39*0 -48*6 -48*6 -48*6 -48*6 -48*6 -48*6 -48*6 -59*3 -48*6 -59*3 -48*6 -59*3 -59*3 -59*3 -59*3 -50

** WIND DATA NOT COMPUTED DUE TO MISSING RAW AZIMUTH AND ELEVATION ANGLES.

THIS PAGE IS BEST QUALITY PRACTICABLE FROM COFY PURMISHED TO DDC

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9	TENTIAL	AIR	RATURE DE "POINT	REL.HUM. PERCENT	WIND DIRECTION	DATA
FEET		SES.	4.		DEGREES (TN)	KNOT
5108.		25.5		29.	N	
6352.				30.	252.4	
6687.		19.4		33.	.96	
10620.		15.6		37.		3
12654.		0		.55.	8	
1.020.1			•	+0+		·
		-2.4		56.	•	5
				61.	-	·
•	1		-32.8	17.	. 40	11.3
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•	1			14.	63.	0
•	ľ	24.7			34.	
360474	1	2.41			256.5	18.2
•	In I	24.7			54.	
	-5	0.3			52.	6
	ĭ	9.99			88.	
	T	57.9			0	
	1	9.3			.69	
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2000	7	6.2			115.9	3
	9	1.2				
	10	7.8			:	-
	10	4.7			å	-
	ĩ	18.4			3	27.5
	1	9.61-				2
	ĩ	+3.5			1.	.0
•	1	39.0			i	0

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 3997.30 FEET MSL 28 JUNE 79 0930 HRS MST ASCENSION NO. 214

GEODETIC COORDINATES 32.48034 LAT DEG 106.42307 LON DEG

PRESSURE MILLIBARS	8	8.500+2
TEMPERATURE AIR DEG C	24 - 1 - 1 - 1 - 2 - 4 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5	25.5
DEW PT DEP	\$	19
₩ Z - Z - S	21111 4214444500000000000000000000000000000000	7.
DATA N-S SMPS		1.
WIND DA SPEED MPS		1.
DIMECTION DEG (TN)	200 200 200 200 200 200 200 200 200 200	224.
GEOPOTENTIAL ALTITUDE DECAMETERS	27 27 27 27 27 27 27 27 27 27 27 27 27 2	156.